

### REMARKS

Claims 1-35 are currently pending in the application.

#### 1. Rejections under 35 U.S.C. §112

The Examiner has rejected Claim 8 under 35 U.S.C. §112 as lacking antecedent basis for groups of detector elements. Claim 8 has been amended to overcome the rejection. Therefore applicants believe that the rejections under 35 U.S.C. §112 have been overcome.

#### 2. Rejections under 35 U.S.C. §102(e)

The Examiner has rejected Claims 1, 3-6, 16-20, 23, 24 and 31-33-34, 35 U.S.C. §102(e) as being anticipated by Goldman, et al. (U.S. 6,825,927). The Examiner has further indicated the allowability of Claim 2, if re-written in independent form including all the limitations of the bas claim and any intervening claims. Claim 1 has been amended to include all of the previous features recited in Claim 2 and Claim 2 has been therefore canceled, therefore Applicants believe that Amended Claim 1 and its dependent claims 3-20 are now allowable.

The Examiner had not indicated a rejection or reason for rejection of Claims 21 and 22 in the Office Action, although all claims other than Claim 2 are indicated as rejected on the cover sheet.

As Claim 21 includes the features recited in previous Claim 2, applicants believe that the rejection on the cover sheet is in error and that Claims 21 and 22 are allowable.

Claim 23 has been canceled.

Claim 24 has been amended to include the multipixel detectors and illuminators used by the illuminating and detecting steps as being located on the same substrate as recited in Amended Claim 1. Therefore Applicants believe that Claim 24 and its dependent Claims 25-35 should be allowed.

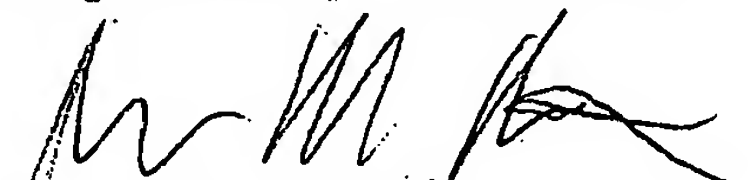
Therefore, for all of the reasons stated above, applicants believe that all of the rejections and objections have been overcome.

CONCLUSION

In conclusion, Applicants respectfully submit that this Amendment, in view of the Remarks offered in conjunction therewith, are fully responsive to all aspects of the objections and rejections tendered by the Examiner in the Office Action. Applicants respectfully submit that they have persuasively demonstrated that the above-identified Patent Application, including Claims 1, 3-22 and 24-35 are in condition for allowance. Such action is earnestly solicited.

No fees should be incurred by this Amendment, but if there are any fees incurred by this Amendment Letter, please deduct them from our Deposit Account No. 23-0830.

Respectfully submitted,

  
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